IN THE CLAIMS

Please substitute claims 1-20 with the following:

1. (Currently Amended) A liquid crystal display apparatus comprising:

a liquid crystal display device having including a light modulating means having a front surface and a back side, a first polarizing filter, arranged on the front surface of said light modulating means and a second polarizing filter arranged on the back side of said light modulating means, said light modulating means including a pair of transparent electrode plates and liquid crystals sealed therein, said light modulating means having a plurality of horizontal lines and being operably configured to separately provide image information for a left eye of a viewer and for a right eye of a viewer via the horizontal lines;

a first light source arranged on the back side of said liquid crystal display device operably configured to generate an illuminating light towards said liquid crystal display device, said first light source having a front surface, a polarizing filter unit deposed to filter light for the right eye of the viewer, and a polarizing filter unit deposed to filter light for the left eye of the viewer, said polarizing filter unit for the right eye and a said polarizing filter unit for the left eye having respective different directions of polarization and being fixedly mounted on left and right portions on a the front surface thereof of said light source, each of said polarizing filter unit for the right eye and said polarizing unit for the left eye having a front side;

optical means arranged on the back side of said liquid crystal display device for to collecting the illuminating light from said light source for illuminating and to direct the so-collected light on said liquid crystal display device;

a second light source arranged on the front side of said liquid crystal display device for illuminating the to generate a light on the head of a the viewer;

a plurality of light receiving devices arranged on the front sides of said polarizing filter unit for the right eye and the polarizing filter unit for the left eye at a preset spacing therefrom; and

position control means for processing and comparing the volumes of the received light in said light receiving devices to control the position of said first light source in the left-and-right direction; wherein

the image information for the right eye and that for the left eye are alternately displayed en by said light modulating means every horizontal line in agreement with light transmitting lines in said first and second polarizing filters; the light illuminated from said first light source through said polarizing filter unit for the right eye is incident on the right eye of the user viewer through said liquid crystal display device, the light illuminated from said first light source through said polarizing filter unit for the left eye is incident on the left eye of the user viewer through said liquid crystal display device, independently of the light from said first light source through said polarizing filter unit for the right eye; the volume of light illuminated from said second light source and reflected by the head of the user viewer is sensed by said light receiving devices to detect the movement in the left-and-right direction of the head of the viewer; said position control means causing automatic movement of the position of the first light source in the left-and-right direction in agreement with the detected movement.

2. (Currently Amended) The liquid crystal display apparatus according to claim 1 wherein said first and second polarizing filters each include two linear polarizing filter lines,

wherein the facing linear polarizing filter lines of such that said first and second polarizing filters are formed in each have a polarizing directions perpendicular to each other.

- 3. (Original) The liquid crystal display apparatus according to claim 1 wherein said first and second polarizing filters are linear polarizing filters having the same polarizing directions over the entire surfaces thereof but being perpendicular to each other, and wherein half wave plates are provided every other horizontal line in said second polarizing filter.
- 4. (Currently Amended) The liquid crystal display apparatus according to claim 1 wherein said second polarizing filter includes mutually perpendicular linear polarizing filter lines alternately arranged every horizontal line of said light modulating means;

said first polarizing filter being formed by a linear polarizing filter of the same direction as the direction of one of said linear polarizing filter lines of said second polarizing filter; and wherein

the driving states of said light modulating means has a plurality of driving states for the horizontal lines of said light modulating means, the driving states for one horizontal lines having the same direction of polarization of said first and second polarizing filters are set reversely.

- 5. (Original) The liquid crystal display apparatus according to claim 1 wherein, in said position control means, the polarizing filter unit for the right eye and the polarizing filter unit for the left eye are arranged as a plural number of strip-shaped Brewster angle variable type polarizing devices to vary the boundary positions of the mutually perpendicular Brewster angles.
- 6. (Original) The liquid crystal display apparatus according to claim 1 wherein said position control means includes a motor for causing movement of said first light source.

- 7. (Original) The liquid crystal display apparatus according to claim 1 further comprising:
- a mirror for reflecting the light emitted by said first light source to illuminate the reflected light to said light modulating means and for reflecting the light illuminated from said second light source and reflected by the user's viewer's head towards said light receiving device.
- 8. (Original) The liquid crystal display apparatus according to claim 7 further comprising:

a pair of side portions for clamping said mirror from both sides thereof.

- 9. (Original) The liquid crystal display apparatus according to claim 8 wherein the mirror and the paired side portions are connected for opening/closure to said light modulating means and wherein, when said light modulating means is driven, said mirror and the paired side portions are opened to clamp said mirror by said paired side portions.
 - 10. (Currently Amended) A liquid crystal display device comprising:

first image separating means <u>having a first direction of polarization</u> for separating <u>and</u> operably configured to separate the light illuminated from a light source depending on the <u>first</u> direction of polarization;

light modulation means having liquid crystals sealed within a pair of transparent electrode plates, said light modulation means modulating the intensity of light transmitted through said first image separating means;

second image separating means <u>having a second direction of polarization</u> for separating the light transmitted through said light modulating means depending on the <u>second</u> direction of polarization; and

- a pair of substrates for clamping at least said first image separating means and said modulating means.
- 11. (Original) The liquid crystal display device according to claim 10 wherein said first image separating means are independent from one horizontal line to another.
- 12. (Currently Amended) The liquid crystal display device according to claim 10 wherein said first and second polarizing filters are image separating means both include linear polarizing filters having the same polarizing directions over the entire surfaces thereof but being perpendicular to each other, and wherein half wave plates are provided every other horizontal line in said second polarizing filter.
- 13. (Currently Amended) The liquid crystal display device according to claim 10 wherein said second polarizing filter image separating means includes mutually perpendicular linear polarizing filter lines alternately arranged every horizontal line of said light modulating means;

said first polarizing filter image separating means being formed by a linear polarizing filter of the same direction as the direction of one of said linear polarizing filter lines of said second polarizing filter; and wherein

the driving states of said light modulating means has a plurality of driving states for the horizontal lines of said light modulating means, the driving states for at least one of the horizontal lines having the same direction of polarization of said first and second polarizing filters are set reversely.

14. (Original) The liquid crystal display device according to claim 13 wherein said first image separating means includes an orientation layer oriented in a preset direction and a

layer containing a polarizer, said polarizer containing layer being deposited on said orientation layer.

- 15. (Original) The liquid crystal display device according to claim 14 wherein said polarizer is dichromic molecules.
- 16. (Currently Amended) The liquid crystal display device according to claim 42 15 wherein said dichromic molecules are density transition type liquid crystals.
- 17. (Currently Amended) The liquid crystal display device according to claim 10 wherein said second image separating means is constructed by alternately arranging layers with a circular polarization separator having respective different twist directions from one horizontal line to another, with a quarter wave plate being arranged on the front side of said layer;

said second image separating means is formed by a linear polarizing filter having the same direction as the direction of one linear polarized light passed through said first image separating means; and wherein

the driving state of said modulating means are has a plurality of driving states that are reversely set for horizontal lines for which the direction of polarization of linear light transmitted through said first image separating means is coincident with the second image separating means.

- 18. (Original) The liquid crystal display device according to claim 17 wherein circular polarized light separator is cholesteric liquid crystals.
- 19. (Currently Amended) The liquid crystal display device according to claim 10 wherein, said light modulating means has a plurality of pixels with the distance between respective pixels of the light modulating means being B_L, said modulating means being operably configured to receive light incident at an the angle of the light incident on the light modulating

means being θ , the distance between the respective pixels in said light modulating means and one of the first and second image separating means that is closer to said light modulating means being D_L , D_L satisfies the following relation-(2): $D_L < B_L/2\tan\theta$ [[...(2)]].

20. (Currently Amended) A liquid crystal display system employing two, namely left and right polarizing filters having respective different directions of polarization, comprising:

a liquid crystal display device; said liquid crystal display device including:

first image separating means for separating the light illuminated from a light source depending on the direction of polarization a first of the two polarizing filters;

light modulation means having liquid crystals sealed within a pair of transparent electrode plates, said light modulation means modulating the intensity of light transmitted through said first image separating means;

second image separating means for separating the light transmitted through said light modulating means depending on the direction of polarization a second of the two polarizing filters; and

a pair of substrates for clamping at least said first image separating means and said modulating means.